

SCANDIFLEX

Uma subsidiária da Eastman Chemical Company

Eastman THERMOLLAN™

Thermoplastic Polyurethane - Applications

Product Line	Technical Pieces	Shoes	Electrical Cables	Wheels and Castors	Identification Earing	Pipes and Hoses	Gaskets	Automotive	Orthodontic
MXB			✓			✓✓			
TO	✓✓							✓✓	
TOW	✓✓							✓✓	
TC	✓	✓✓	✓	✓		✓			
TCW	✓	✓✓	✓	✓		✓			
TS	✓✓	✓	✓	✓✓	✓	✓✓	✓	✓✓	
TSW	✓✓	✓	✓	✓✓	✓	✓✓	✓	✓✓	
TK	✓✓						✓✓	✓	✓
TP			✓✓		✓✓	✓	✓		
TX							✓✓		✓✓

- ✓ Potential application
- ✓✓ Recommended application

Eastman THERMOLLAN™

Thermoplastic Polyurethane - Properties

Product Line	Resistance to Abrasion	Resistance to Hydrolisis	Resistance to Oil and Grasses	Mechanical Properties	Elastic Memory	Resistance to Permanent Distortion
MXB	✓✓			✓	✓	
TO	✓	✓✓	✓✓	✓✓	✓	✓
TOW	✓	✓✓	✓✓	✓✓	✓	✓
TC	✓✓			✓	✓	
TCW	✓✓			✓	✓	
TS	✓	✓✓	✓✓	✓✓	✓	✓
TSW	✓	✓✓	✓✓	✓✓	✓	✓
TK	✓✓✓	✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓
TP	✓	✓✓✓	✓	✓	✓	
TX	✓	✓✓✓	✓	✓	✓✓✓	✓✓✓

- ✓ Good
- ✓✓ Great
- ✓✓✓ Excellent

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Thermoplastic Polyurethane - Properties

Product Line	DIN characteristics unity		Toughness Shore 33505 Shore A	Shore D	Density 53479 g/cm ³	Resistance to Breakage 53504 N/mm ²	Elongation at Break 53504%	Tear Strength 53515 N/mm	Abrasion Resistance ISO4649 mm ³	Compressive Deformation at Room Temperature 53517%	Compressive Deformation at 70°C 53517 N/mm ²	Tear Strength 21 days at 80°C 53504 N/mm ²	Elongation at break 21 days at 80°C 53504%	Tear Strength 42 days at 80°C 53504 N/mm ²	Elongation at break 42 days at 80°C 53504%
Eastman Thermollan TP	80A	80±3		1,11	25	550	55	40	25	45			20	500	
	85A	85±3		1,12	30	550	65	40	25	45			25	500	
	90A	90±3	40±3	1,13	35	500	90	40	25	50			30	450	
	95A	95±3	45±3	1,15	35	500	100	45	30	50			30	450	
	98A	97±3	51±3	1,15	40	500	100	40	35	50			35	450	
	55D		55±3	1,17	40	400	150	50	40	55			35	350	
60D		60±3	1,18	40	350	150	50	40	55			35	300		
Eastman Thermollan TK	80A	80±3		1,21	30	550	60	40	20	40	30	600			
	85A	85±3		1,21	35	550	65	40	25	40	30	600			
	90A	90±3	40±3	1,21	40	600	90	40	25	45	35	500			
	95A	95±3	45±3	1,22	45	600	100	40	30	50	35	450			
Eastman Thermollan TC / TCW	60A	60±3		1,19	15	700	30	60							
	65A	65±3		1,20	15	650	30	60							
	70A	70±3		1,20	15	650	30	50							
	75A	75±3		1,20	15	650	30	50							
	80A	80±3		1,21	30	600	60	35							
	85A	85±3		1,21	35	600	65	40							
	90A	90±3	40±3	1,22	35	500	80	40							
	95A	95±3	45±3	1,22	35	500	90	40							
	98A	97±3	51±3	1,23	40	500	100	45							
	55D		55±3	1,23	40	400	150	45							
	60D		60±3	1,23	40	400	150	45							
	65D		65±3	1,23	40	350	150	45							
70D		70±3	1,23	40	350	150	45								
Eastman Thermollan TS / TSW	60A	60±3		1,20	15	700	30	35	30	50	10	650			
	65A	65±3		1,20	15	700	30	40	30	50	10	650			
	70A	70±3		1,20	20	600	30	40	30	50	15	550			
	75A	75±3		1,20	20	600	30	40	30	50	15	550			
	80A	80±3		1,21	30	650	60	30	25	45	25	600			
	85A	85±3		1,21	35	600	65	35	25	45	30	550			
	90A	90±3	40±3	1,21	35	550	90	40	25	50	30	500			
	95A	95±3	45±3	1,22	40	500	100	40	30	50	35	450			
	98A	97±3	51±3	1,23	40	500	100	40	35	50	35	450			
	55D		55±3	1,23	40	450	150	45	40	55	35	400			
	60D		60±3	1,23	40	400	150	45	40	55	35	350			
	65D		65±3	1,23	40	350	150	45	40	55	35	300			
70D		70±3	1,23	40	350	150	45	40	55	35	300				
Eastman Thermollan MXB	80A	80±3		1,21	30	650	60	35							
	85A	85±3		1,21	35	600	65	40							
	90A	90±3	40±3	1,22	35	550	80	40							
	95A	95±3	45±3	1,22	35	500	90	40							
98A	97±3	51±3	1,23	40	500	100	45								
Eastman Thermollan TO / TOW	70A	70±3		1,20	15	600	50	45	25	45	10	550			
	90A	90±3	40±3	1,21	35	550	90	40	25	50	30	500			
Eastman Thermollan TX	80A	80±3		1,18	35	600	60	30	20	40	30	550			
	85A	85±3		1,18	40	550	65	30	20	40	35	500			

*Please contact Eastman/Scandiflex team to check availabilities