

Teknor Apex TELCAR® 1050-80 Thermoplastic Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

Material Notes:

Information provided by Teknor Apex Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_Teknor-Apex-TELCAR-1050-80-Thermoplastic-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.00 g/cc	1.00 g/cc	ASTM D792
Melt Flow	0.30 g/10 min	0.30 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	15 Seconds
	85	85	ASTM D2240
Tensile Strength, Yield	6.41 MPa	930 psi	ASTM D412
Elongation at Break	540 %	540 %	ASTM D412
100% Modulus	0.00269 GPa	0.390 ksi	ASTM D412

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -76.0 °C	<= -105 °F	ASTM D746

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