

Plaslube® TPEL TS12 02 HS

Techmer Polymer Modifiers - *Thermoplastic Elastomer*

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Heat Stabilizer • Lubricant
Features	• Heat Stabilized • Lubricated
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.17		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9.70E+6	psi	ASTM D638
Tensile Strength (Break)	1700	psi	ASTM D638
Tensile Elongation (Break)	430	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	37		ISO 868

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	355 to 390	°F
Middle Temperature	375 to 410	°F
Front Temperature	390 to 430	°F
Nozzle Temperature	390 to 430	°F
Processing (Melt) Temp	355 to 430	°F
Mold Temperature	50 to 95	°F
Injection Rate	Slow-Moderate	
Back Pressure	0.00 to 50.0	psi
Screw Speed	Slow-Moderate	

Notes

¹ Typical properties: these are not to be construed as specifications.

