Monprene® OM-19255 BLK XRD 1 (Preliminary Data)

Teknor Apex Company - Thermoplastic Elastomer

Thursday, April 2, 2026

General Information

Product Description

Monprene OM-19255 is a specialty thermoplastic elastomer, available in BLK, and colors, designed for overmolding applications like grips and anti-skid parts for consumer and industrial products. Monprene OM-19255 is a medium hardness, medium density grade that exhibits excellent adhesion to PC, ABS, PC/ABS, PBT and POM.

General			
Material Status	• Preliminary Data		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Bondability • Filled • Good Flow	• Good Moldability • Good Processability • Lubricated	• Medium Density • Medium Hardness
Uses	• Appliances • Bonding • Consumer Applications	• Flexible Grips • Handles • Knobs	• Overmolding • Personal Care • Soft Touch Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available		
Forms	• Pellets		
Processing Method	• Injection Molding	• Multi Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.13		ISO 1183
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ISO 37
Across Flow : 100% Strain	290	psi	
Flow : 100% Strain	363	psi	
Tensile Stress			ISO 37
Across Flow : 300% Strain	406	psi	
Flow : 300% Strain	363	psi	
Tensile Strength			ISO 37
Across Flow : Break	421	psi	
Flow : Break	624	psi	
Tensile Elongation			ISO 37
Across Flow : Break	340	%	
Flow : Break	580	%	
Tear Strength			ISO 34-1
Across Flow	126	lbf/in	
Flow	68.5	lbf/in	
Compression Set			ISO 815
73°F, 70 hr	55	%	
158°F, 22 hr	100	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness	60		ISO 868

Revision Date: 5/6/2020

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Additional Information	Nominal Value	Unit
Adhesion to ABS		
Adhesion to PBT		
Adhesion to PC		
Adhesion to PC/ABS		
Adhesion to POM		

Legal Statement

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Processing Information

Injection	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	3.0	hr
Rear Temperature	338 to 374	°F
Middle Temperature	374 to 446	°F
Front Temperature	410 to 482	°F
Nozzle Temperature	410 to 482	°F
Processing (Melt) Temp	410 to 482	°F
Mold Temperature	86 to 122	°F
Injection Rate	Moderate	

Injection Notes

Moisture can degrade the material. Drying is suggested. This can be accomplished by placing the material in a desiccant dryer for 3 hours at 175°F (80°C).

For any overmolding process it is recommended that the process temperatures for the TPE material be set at least 50°F (10°C)higher than the melt temperature of the substrate material.

Notes

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

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