



Ultraform® N 2640 Z2 BK140 Q600

BASF Corporation - Acetal (POM) Copolymer

Saturday, November 2, 2019

General Information

Product Description

Ultraform N 2640 Z2 BK140 Q600 is a pigmented black, elastomer-modified injection molding POM grade with high impact strength.

Applications

Typical applications include toys components such as bicycle frames, automotive parts such as cladding elements and windshield wiper units, and clips, snap and fastening elements, and other components subject to impact stress.

General

Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Impact Modifier		
Features	• Copolymer	• High Impact Resistance	• Impact Modified
Uses	• Automotive Applications	• Fasteners	• Toys
Agency Ratings	• EC 1907/2006 (REACH)		
RoHS Compliance	• RoHS Compliant		
Automotive Specifications	• GM GMP.POM.024	• GM GMW22P-POM-C2P1	
Appearance	• Black		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Water Absorption (Saturation, 73°F)	0.80	%	ISO 62
Water Absorption (Equilibrium, 73°F, 50% RH)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	273000	psi	ISO 527-2
Tensile Stress (Yield, 73°F)	6670	psi	ISO 527-2
Tensile Strain (Yield, 73°F)	11	%	ISO 527-2
Flexural Modulus (73°F)	274000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180
-40°F	2.9	ft-lb/in ²	
73°F	4.0	ft-lb/in ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	169	°F	ISO 75-2/A
Melting Temperature (DSC)	333	°F	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112

Notes

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