



August, 2023

Z-200-XP

■ Product Summary: Z-200-XP is an unfilled, impact modified, extrusion grade designed for uses in pipe and tube applications.

■ Color: Black

Engineering Properties of Z-200-XP

Engineering Properties of 2-200-XP			
Properties	Test Method	Unit	Z-200-XP
General Information			Unreinforced Extrusion
Physical			
Density Water absorption, 23°C/24hrs. Mold shrinkage ^a Mechanical	ISO 1183 ISO 62 ISO 294-4	g/cm³ % %	1.23 0.06 -/-
	100 -0- 40		
Tensile strength Tensile modulus Tensile strain at break Flexural strength	ISO 527-1,2 ISO 527-1,2 ISO 527-1,2 ISO 178	MPa GPa % MPa	45 2.0 100 65
Flexural modulus Flexural strain at yield Charpy impact strength,	ISO 178 ISO 178	GPa %	1.7 6.7
notched unnotched Co-eff. of friction ^b , static/dynamic	ISO 179/1eA ISO 179/1eU -	kJ/m² kJ/m² -	58 NB -/-
Thermal			
Heat deflection temperature, 1.80MPa Co-eff. of linear thermal expansion ^a , -50~50 °C Co-eff. of linear thermal expansion ^a , 100~200 °C Flammability ^c /thickness (mm)	ISO 75-1,2 ISO 11359-2 ISO 11359-2 UL-94	°C x 10 ⁻⁵ /K x 10 ⁻⁵ /K -	105 8.0/10.5 14.0/15.5 -
Electrical			
Dielectric strength, t=1.0mm Dielectric constant, 1MHz Dissipation factor, 1MHz Comparative Tracking Index (CTI) Volume resistivity	IEC 60243-1 IEC 62631-2-1 IEC 62631-2-1 IEC 60112 IEC 60093	kV/mm - - V Ω·cm	28 4 0.004 150 10 ¹⁵
Molding Condition			
Barrel temperature Die temperature	-	°C	280-310 270-300

a: Flow direction/Transverse direction

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b: P=150kPa, V=0.3m/s, PPS vs. carbon steel

c: UL file No. E53829