XENOY™ RESIN X2203

REGION AMERICAS

DESCRIPTION

Xenoy product that provides improved chemical resistance and impact performance versus previous generation X2202 product which is used in the market spaces such as soap dispenser, cleaning equipment, filter housing

TYPICAL PROPERTY VALUES

Revision 20190702

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Flexural Stress, yld, 1.3 mm/min, 50 mm span	100	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	2640	MPa	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	209	J/m	ASTM D 256
Izod Impact, notched, 0°C	121	J/m	ASTM D 256
Izod Impact, notched, -20°C	127	J/m	ASTM D 256
Instrumented Impact Total Energy, 23°C	68	J	ASTM D 3763
Instrumented Impact Total Energy, 0°C	67	J	ASTM D 3763
Instrumented Impact Total Energy, -20°C	72	J	ASTM D 3763
THERMAL			
HDT, 0.45 MPa, 3.2 mm, unannealed	103	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, unannealed	90	°C	ASTM D 648
PHYSICAL			
Melt Volume Rate, MVR at 265°C/5.0 kg	35	cm³/10 min	ISO 1133
FLAME CHARACTERISTICS			
UL Yellow Card Link	E121562-101949156	-	-
INJECTION MOLDING			
Drying Temperature	110	°C	
Drying Time	4 – 6	hrs	
Drying Time (Cumulative)	8	hrs	
Maximum Moisture Content	0.02	%	
Melt Temperature	260 – 280	°C	
Nozzle Temperature	255 – 275	°C	
Front - Zone 3 Temperature	260 – 280	°C	
Middle - Zone 2 Temperature	255 – 275	°C	
Rear - Zone 1 Temperature	250 – 270	°C	
Mold Temperature	65 – 95	°C	
Back Pressure	0.3 – 0.6	MPa	
Screw Speed	50 – 80	rpm	
Shot to Cylinder Size	50 – 80	%	
Vent Depth	0.013 – 0.02	mm	

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