NORYL™ RESIN CRX1005

REGION ASIA

DESCRIPTION

NORYL™ CRX1005 resin is a non-reinforced blend of polyphenylene ether (PPE) + high impact polystyrene (HIPS). This injection moldable and extrusion grade was developed with improved chemical resistance and exhibits low moisture absorption, creep resistance, dimensional stability, and hydrolytic stability.

TYPICAL PROPERTY VALUES

Revision 20190301

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield	35	MPa	SABIC - Japan Method
Tensile Strain, break	150	%	SABIC - Japan Method
Flexural Stress	55	MPa	ASTM D 790
Flexural Modulus	1740	MPa	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	274	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 6.4 mm, unannealed	105	°C	ASTM D 648
CTE, -30°C to 30°C	7.E-05	1/°C	TMA
PHYSICAL			
Specific Gravity	1.06	-	ASTM D 792
Water Absorption, 24 hours	0.07	%	ASTM D 570
Mold Shrinkage, flow, 3.2 mm	0.5 – 0.8	%	SABIC method
Melt Flow Rate, 300°C/5.0 kgf	14	g/10 min	ASTM D 1238
ELECTRICAL			
Surface Resistivity	1.E+16	Ohm	ASTM D 257

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