NORYL™ PPE POWDERS + CONCENTRATES 6390C

REGION EUROPE

DESCRIPTION

NORYL™ 6390C resin concentrate is an non-reinforced blend of polyphenylene ether (PPE) + high impact polystyrene (HIPS). This material is in granule form and optimized for blending with polystyrene resins. NORYL 6390C resin may be an excellent candidate in microwavable food packaging applications and is compliant with US and European food contact regulations.

TYPICAL PROPERTY VALUES

Revision 20190806

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield, 50 mm/min	81	MPa	ISO 527
Tensile Stress, break, 50 mm/min	76	MPa	ISO 527
Tensile Strain, yield, 50 mm/min	5.6	%	ISO 527
Tensile Strain, break, 50 mm/min	8	%	ISO 527
Tensile Modulus, 1 mm/min	2550	MPa	ISO 527
Flexural Stress, yield, 2 mm/min	120	MPa	ISO 178
Flexural Modulus, 2 mm/min	2600	MPa	ISO 178
IMPACT			
Izod Impact, notched 80*10*4 +23°C	4	kJ/m²	ISO 180/1A
Izod Impact, notched 80*10*4 -30°C	4	kJ/m²	ISO 180/1A
THERMAL			
Vicat Softening Temp, Rate B/120	192	°C	ISO 306
HDT/Af, 1.8 MPa Flatw 80*10*4 sp=64mm	170	°C	ISO 75/Af
PHYSICAL			
Density	1.07	g/cm³	ISO 1183
Matrix Tg	196	°C	DMA
Melt Volume Rate, MVR at 280°C/10.0 kg	8	cm³/10 min	ISO 1133
Melt Volume Rate, MVR at 280°C/21.6 kg	14	cm³/10 min	ISO 1133

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