



TRADITIONALLY
INNOVATIVE

PRODUCT INFORMATION

XT® POLYMER X800RG acrylic-based copolymer compound

Product Profile:

XT® POLYMER X800RG compound is an impact-modified acrylic-based copolymer for molding and extrusion applications.

Typical properties of XT® POLYMER acrylic-based copolymer compounds are:

- outstanding thermoformability
- superior heat distortion temperatures
- excellent bonding and welding capabilities
- good impact strength
- good light transmission
- resistant to EtO, gamma and E-beam sterilization
- resistant to PVC stabilizers

The special properties of XT® POLYMER X800RG compound are:

- high melt flow rate
- good chemical resistance

Application:

Used for food packaging and appliance parts.

Examples:

Paper towel dispensers, soap dispensers, sporting goods, battery cases and musical instrument casings.

Processing:

XT® POLYMER X800RG compound can be processed in injection molding machines and extrusion lines with 3- zone general purpose screws.

Physical Form / Packaging:

Available in 1500 lb. gaylord boxes; other packaging available on request.

Properties:

	Parameter	Unit	Standard	XT® POLYMER X800RG acrylic- based copolymer compound
Mechanical Properties				
Tensile Modulus	1 mm/min	MPa	ISO 527	2400
Yield Stress	50 mm/min	MPa	ISO 527	48
Yield Strain	50 mm/min	%	ISO 527	3
Nominal Strain @ Break		%	ISO 527	7
Charpy Impact Strength	23°C	kJ/m ²	ISO 179/1eU	93
Charpy Notched Impact Strength	23°C	kJ/m ²	ISO 179/1	11
Thermal Properties				
Vicat Softening Temperature	B / 50	°C	ISO 306	97
Rheological Properties				
Melt Volume Rate, MVR	230°C & 3,8kg	cm ³ /10min	ISO 1133	4,3
Optical Properties				
Luminous transmittance	d=3 mm			
Luminous transmittance	D65	%	ISO 13468-2	87
Haze		%	ASTM D1003	7
Other Properties				
Density		g/cm ³	ISO 1183	1.11
Recommended Processing Conditions				
Predrying Temperature		°C		82
Predrying Time in Desiccant-Type Drier		h		3 - 4
Melt Temperature		°C		220 - 245
Mold Temperature (Injection Molding)		°C		50 - 80

All listed technical data are typical values intended for your guidance. They are given without obligation and do not constitute a materials specification.

Certified to ISO 9001:2015, ISO 14001:2015 and IATF 16949:2016.

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