

Polyvinyl Chloride Compound

ER 315 GT is a high flow, medium impact, transparent compound ideally suited for variety of clear moulded components.

PROPERTIES	STANDARD	UNIT	TYPICAL VALUE
PHYSICAL			
Appearance			Granular
Specific Gravity	ASTM D 792		1.32 ± 0.03
MECHANICAL			
Hardness	ASTM D 2240	Shore D	73 ± 3
Tensile Strength (min.)	ASTM D 638	MPa	60
Elongation at Break (min.)	ASTM D 638	%	18
Izod impact, notched 80*10*4 (23 °C) (min.)	ASTM D 256	KJ/M ²	10
Flexural Modulus, 2 mm/min (min.)	ISO 178	MPa	2400
THERMAL			
HDT/Be, 0.45 MPa edgew 120*10*4/s=100 mm	ASTM D 648	°C	60
Co efficient of linear thermal expansion	ISO 11359-2	%	8.1 x 10 ⁻⁵
RHEOLOGICAL			
MVR (min.) (210 °C/20 Kg)	ASTM D 1238	cc /10 min	20
FLAMMABILITY			
94V-0 Flame Class rating	UL 94	mm	1.00
Glow wire Test, 850 °C, Passes at	IEC 60695-2-12	mm	1.0
PROCESSING INFORMATION			
Temperature Range		°C	165–180
Mould Shrinkage		cm/cm	0.045
For better results pre-drying of granules is recommended @ 75 ± 5°C for approximately 15 minutes			

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