

# Plastiverd DESIGN

## Tech Polymer

March 2022, Version 01

PLASTIVERD DESIGN is copolymer of PET (Polyethylene-Terephthalate), delivered in resin pellets. This resin has been specially designed for thick wall applications. This grade presents a higher IV and outstanding mechanical properties. Suitable for thick sheet extrusion up to a thickness of approximately 5 mm, sealing films and refillable bottles up to 5 gallons. It is particularly recommended for use in thick wall preforms, which need slow crystallization to achieve high light transmission, excellent brightness for thick sheets and a neutral color tone.

SPECIFICATIONS			
Property	Unit	Value	Test Method
Intrinsic Viscosity	dL/gr	0'86 ± 0'02	LQ-M-001
Colour L	-	≥ 85	ASTM 6290
Colour b*	-	≤ 0	ASTM 6290
Acetaldehyde	ppm	≤ 1	LQ-M-004

TYPICAL PROPIERTIES			
Property	Unit	Value	Test Method
Specific Density Crystalline	g·cm <sup>-3</sup>	> 1'39	-
Moisture	%	≤ 0'20	-
Bulk Density	Kg·m <sup>-3</sup>	840	-
Weight of 20 chips	mg	320	-
Melting Point	°C	235-245	-
Typical Moulding Temperature	°C	265-280	-
Drying Conditions - Temperature	°C	165-175	-
Drying Conditions - Time	h	5-6	-

All proper are measured under laboratory conditions by the analytical method shown. Method LQ-M-001 is based on ISO 1628 and LQ-M-004 is based on ASTM F2013. Different methods or conditions of analysis may give different values. Purchased material will be accompanied by Certificate or Analysis, with representative average values of specified properties

**Food Contact Statement:** PLASTIVERD DESIGN complies with the composition of requirements of the Regulation (EC) No 10/2011 and the EU directive on Packaging Waste (94/62/EC) and its amendments. For more information, contact your local PlastiVerd representative.

For queries or further information relating to this statement summary document please contact with Costumer Service

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