

# POLIMAXX GA2850

High Density Polyethylene

IRPC Public Company Limited

## Message:

GA2850 is a High Density Polyethylene resin high molecular weight for blow molding with rigid, stakable and excellent impact strength. It is suitable for L-ring drums (200 liters), Open top drums (120 liters). It also meets the F.D.A. requirement in the code of federal regulations in 21 CFR 177.1520 for food contact.

General Information			
Features	Food Contact Acceptable Good Impact Resistance Good Stiffness High Molecular Weight		
Uses	Drums		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	RoHS Compliant		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/21.6 kg	1.8	g/10 min	
190°C/5.0 kg	0.080	g/10 min	
Environmental Stress-Cracking Resistance (F50)	165	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	66		DIN 53505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	28.0	MPa	
Break	50.0	MPa	
Tensile Elongation (Break)	1800	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	No Break		DIN 53453
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	130	°C	ASTM D1525
Injection	Nominal Value	Unit	Test Method
Processing (Melt) Temp	170 to 250	°C	

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