Technical Information

DOW™ MDPE NG6895
Medium Density Polyethylene Resin

Additive
- Antiblock: No
- Slip: No
- Processing Aid: No

Physical	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density	0.939	g/cm³	0.939	g/cm³	ASTM D792
Melt Index					ASTM D1238
190°C/5.0 kg	0.38	g/10 min	0.38	g/10 min	
190°C/21.6 kg	11	g/10 min	11	g/10 min	
Environmental Stress-Cracking Resistance					ASTM D1693
122°F (50°C), 10% Igepal, F0	> 2000	hr	> 2000	hr	
122°F (50°C), 10% Igepal, F50	> 3000	hr	> 3000	hr	
Mechanical	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Flexural Modulus (0.0787 in (2.00 mm))	116000	psi	800	MPa	ASTM D790
Films	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Film Thickness - Tested	79	mil	2000	µm	
Tensile Strength - MD					ASTM D882
Yield, 79 mil (2000 µm)	2760	psi	19.0	MPa	
Break, 79 mil (2000 µm)	4350	psi	30.0	MPa	
Tensile Elongation - MD (Break)	> 800	%	> 800	%	ASTM D882
Impact	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Notched Izod Impact (73°F (23°C))	1.5	ft·lb/in	82	J/m	ASTM D256
Hardness	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Durometer Hardness (Shore D)	63		63		ASTM D2240
Thermal	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Vicat Softening Temperature	244	°F	118	°C	ASTM D1525
Oxidation Induction Time (392°F (200°C))	> 110	min	> 110	min	ASTM D3895

Extrusion	Nominal Value	(English)	Nominal Value	(SI)
Cylinder Zone 1 Temp.	329	°F	165	°C
Cylinder Zone 2 Temp.	365	°F	185	°C
Cylinder Zone 3 Temp.	392	°F	200	°C
Cylinder Zone 4 Temp.	401	°F	205	°C
Melt Temperature	392 to 410	°F	200 to 210	°C

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

塑料专家 www.ponci.com.cn/wxb/ +13538586433 +18816996168