



KW Plastics

TECHNICAL DATA SHEET

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KWR102-8812

Copolymer High Density Polyethylene Resin, pre-colored black

PROPERTY	ASTM Method	ASTM Data NOMINAL VALUES	ISO Method	ISO Data NOMINAL VALUES
Melt Flow	D1238	0.4 g/10 minutes	1133	0.3 g/10 minutes
Specific Gravity pre-colored	D792	0.96 g/ml	1183	0.96 g/ml
Tensile Yield Strength	D638	3,100 min.	527	25 MPa
Flexural Modulus	D790	140,000 psi	178	1369 MPa
Heat Deflection	-	-	75-2, 1.8 MPa	53.5 °C
Notched Izod Impact	D256	non break	180/1A	6.05 kJ/m ²
% Moisture/ Weight Loss at 105 °C	KW-MA01	0.07		
Polypropylene, %	D5576	7%		
Poisson's Ratio			527	0.49

REGULATORY

CONEG

REACH/ SVHC

Proposition 65



PERFORMANCE

Flammability

FMVSS 302



Fogging Characteristics
of Interior Automotive
Components

SAE J 1758 (1994)
Photometric Method



AUTOMOTIVE APPROVALS

Chrysler

MS-DB-471, CPN 4939

Ford Motor

WRS-M4D145-B2

General Motors

GMP.PE.050, GMP.066(R), GMP.PE.023

GMW16426, Type 3

Toyota

TSM5518G-2

*Other automotive companies' approvals via Tier 1 suppliers, per material standards:
Hyundai, Kia, Mitsubishi, Nissan*

APPLICATIONS

Large part blow molding and extrusion; Characteristics include improved toughness, stiffness; pre-colored dark black.

QUALITY

ISO 9001: 2015 registered, ISO/ IEC 17025: 2005 accredited laboratories, C.O.A. on every lot.

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