

Polypropylene

Grades used in battery case applications

Properties	Mechanical										Thermal				Specific Characteristics	Special Additives	Typical Customer Applications
	Density	Melt flow rate	Tensile Modulus	Tensile Stress at Yield	Tensile elongation at Yield	Charpy impact notched			Ball Indentation Hardness (H358/30)	Ductile/ Brittle Transition Temperature	Heat Deflection Temp. /B 0,45 MPa	Vicat Softening Temp.					
	23°C	230°C/ 2,16 kg				23°C	0°C	-20°C				10N	50 N				
Test Method	ISO 1183	ISO 1133	ISO 527	ISO 527	ISO 527	ISO 179/1eA			ISO 2039-1	ISO 6603-2	ISO 75-2	ISO 306/A50	ISO 306/B50				
Unit	g/cm ³	g/10 min	MPa	MPa	%	kJ/m ²			MPa	°C	°C	°C	°C				

Grade name

PP Heterophasic Copolymer - Moplen

<i>Moplen</i>	EP1006	0.9	2	1450	27	6.1	24	10	6.4	60	-60	88	149	76	very high impact strength, thermal stability, low warpage, low stress whitening	heat ageing resistant, low stress whitening additivated	car starter batteries
<i>Moplen</i>	EP340K	0.9	4	1100	20	5	66	13	7	46	-57	85	140	52	very high impact strength, low warpage	NU	car starter batteries, luggage
<i>Moplen</i>	EP300K	0.9	4	1200	27	7	10.5	5.5	4	53	-50	75	150	71	good impact / stiffness balance		car starter batteries, crates
<i>Moplen</i>	EP332L	0.9	7	1200	26	8	7.5	4.5	3.5	53	-46	70	148	67	high fluidity, good impact strength, thermal stability, low warpage	heat ageing resistant	car starter batteries, AGM batteries
<i>Moplen</i>	EP340M	0.9	7.5	1150	21	6	45	9	7	46	-55	80	144	58	high fluidity, good impact strength, low warpage	NU	car starter batteries, crates, containers
<i>Moplen</i>	EP548P	0.9	16	1550	28	5.0	7	4	3	69	-40	90	147	70	very high fluidity, good impact / stiffness balance	NU, AS	car starter batteries, crates, containers

PP Heterophasic Copolymer, Talc filled - Hostacom

<i>Hostacom</i>	EKC 318D nat	1.05	13	1950	23	4.5	6	3.5	-	50	-	92	-	-	very high stiffness, high impact strength, low stress whitening	20 % mineral filled, heat ageing resistant, low stress whitening additivated	AGM batteries
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NU - Nucleated; AS - Antistatic agent;

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